



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Vol. 1, No. 30

OAK RIDGE, TENNESSEE

Tuesday, November 25, 1947

They gave
THANKS
then.....



Let us give
THANKS
now



1621

1947

THIS EFFECTIVE THANKSGIVING CARTOON was drawn for the Y-12 Bulletin by Frank Fuis, Jr., of Dept. A12W. The Bulletin thanks Fuis for this contribution and hopes to publish more of his work in the future.

Let Us All Give Thanks For The American Way Of Life

Let us give thanks for the American Way of Life.

We all agree that this land of ours is a wonderful place. We believe in what it stands for freedom, liberty and the right of a man to his own beliefs. We work together to solve our problems and take an interest in happenings around us. In America, a man can talk with his neighbor and profit from his views, even if he disagrees with you. We're fortunate to be Americans, so let us humbly give thanks for this great privilege.

Have Wonderful Heritage

We think we've found the answer to a lot of questions in this land of ours. We've found how to mix all the people of the earth. We've found out how to produce more from our natural resources than any other country in the world. Mainly, we've found out how to live together, neighbor by neighbor, and to help each other solve common problems. We have a wonderful heritage, so let us give thanks for that heritage.

In the past 170 years it's been tough going at times. Lots of people have tried to tell us,

here in America, that everybody shouldn't poke their necks into government; that only a few have any real place bossing us around. We can be thankful we decided to stick it out our own way. We've seen dictators operate across both oceans. We didn't like it a bit. You see, over here, the bosses are the folks who drive trucks, fix flats, run lathes and typewriters, make plans and direct business and do the family marketing. Believe it or not, these people, with all their different solutions to a given problem, can get together and talk it over. The result, an agreement by the majority, is democracy.

Mighty Big Family

We think it over and are thankful. Oh, we gripe and grumble at each other. Sure, but what family wouldn't? We're a mighty big family—and our problems aren't easy. When the chips are down we still stick together.

Now don't get the idea that just because we have a right to our say, that all is confusion. To an outsider our family

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Super Deluxe Turkey Dinner On Cafeteria Menu Wednesday

Down at the Y-12 cafeteria, come Wednesday, will be served a tasty Thanksgiving dinner with young tom turkey and all the trimmings. Cafeteria Supt. George J. McNamee is quite proud of the menu and arrangements for serving the feast, which will be available from 10:30 a.m. to 2 p.m. for 90 cents. Anyone not wishing to purchase the entire dinner may buy individual items on an a la carte basis at prices to be posted in the cafeteria.

In order that word of the gastronomic offering reaches all employees, Superintendent McNamee persuaded (?) The Y-12 Bulletin to carry the following advertisement (paid for in advance in the form of one turkey sandwich) on the opportunity:

"Hurry, hurry, hurry—you won't regret lining up for this

stupendous, colossal, refreshing, vitamin-packed and toothsome super deluxe dinner bargain.

"Where, oh where, can you get such a meal for only 90 cents, one dime less than a dollar. Where, oh where, can you get it for less than a buck, six bits? Nowhere, my friends, nowhere. So why look?

"Here's what we have—take your choice of cream of celery soup or fruit juice. Then—and then—comes the piece de resistance—young tom turkey complete with oyster dressing, giblet gravy—and, of course, what turkey would be complete without it—cranberry sauce. On the side you get a choice of luscious candied

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Thursday Holiday Brings Pay Plan Into Application

With Thanksgiving Day, Thursday, November 27, being observed as a holiday in the Y-12 plant, the new Holiday Pay Plan will be applicable to employees who do work on that day.

Only Needed Employees Work

No employee will be required to work on Thanksgiving Day except those employees whose presence at work is necessary to assure the continuous operation and protection of the plant, such as the skeleton forces which are required to work on Saturdays and Sundays. Supervisors will arrange work schedules and inform employees accordingly.

Absences occurring on the days immediately preceding or days immediately following this holiday will not be excused except when written evidence is presented to the Division Superintendent indicating that unavoidable circumstances necessitated the absence.

Non-Exempt Employees Benefit

Under the Holiday Pay Plan non-exempt employees, hourly and weekly payroll, who work on Thanksgiving Day will be paid at a rate of twice their straight time hourly rate for all hours worked on the holiday.

Such employees who do not work on the holiday will be paid an amount equivalent to eight times the employees' straight time hourly rate provided that the holiday would normally have been worked by the employee if it had not been a holiday.

In determining whether an employee is to be paid time and one-half for work performed on the sixth day of work or double time for work performed on the seventh day worked in the payroll week, the Thanksgiving holiday will count as a day worked, provided the holiday ordinarily would have been worked.

For example during the Thanks-
(Continued on Page 2)

Make Plans Now For Dance-Party On December 12

Any of you Y-12 folks who haven't made arrangements to attend the Company dance-party Friday night, December 12, at the Jefferson Recreation Hall—make them now.

There will be fun for every Y-12 employee and members of his family — dancing for the dancers and a whole lot of entertainment of varied type for those who don't care to dance. There also will be prizes — prizes that will be more than acceptable to anyone lucky enough to win them.

Bill Dexter and his merry musicians from Knoxville will play for dancing, assuring one and all of toe-tickling tunes for terpsichorean activities.

Regarding those prizes — among them will be a fine, fat turkey to provide a Christmas feast for the lucky winner. A handsome table model radio also will be presented to some lucky guest. That won't be all, either.

The Y-12 Recreation Office now is arranging contests and games for the shindig. One of these events will be to determine the best leader of Christmas carol singing. Another, and always popular contest, will be a Truth or Consequences quiz. Prizes for both men and women winners in this event will be offered.

The fun will begin at 9 p.m. and continue until 1 a.m. Tickets will be \$1 per person and will be placed on sale soon throughout the plant.

Carbide employees at K-25 will be invited to join in the festivities.

BELL HEADS SOCIETY

B. B. Bell will become president of the Oak Ridge Section of the Instrument Society of America, effective December 1. He succeeds C. W. Covey, who is moving to Rochester, N. Y.

Restricted Data Check Is Made On Terminations

To avoid any chance of a break in the chain of security regulations invoked to protect the secrecy of Y-12 operations, a thorough inventory is made of all restricted data in possession of persons leaving employ of the Company to insure that such documents are returned to the Central Records and Information Office before final termination clearance is given.

Data Must Be Transferred

A check of records of departing employees is made by their Department Superintendents to determine if the employee has been charged with possession of any restricted data. If the employee has such matter in his possession, he is required to transfer it to the Central Records and Information Office, Bldg. 9735, or to some other person authorized to possess the data, on regular receipt forms provided for the purpose.

After such transfers have been made the Central Records and Information Office will give the departing employee a statement of clearance for presentation to the Termination Office. In turn, the Termination Office has a list of employees who have had restricted data in their possession and this office checks with the Central Records and Information Office before final clearance is given.

Must Sign Security Form

Every person leaving employ of the Company is required to sign a security termination statement. Attached to this form is an extract from the Atomic Energy Act of 1946 and also an extract from the United States laws on espionage, which are read by the terminating employee before the security statement is signed.

The security termination statement pledges the departing employee to state that he does not have in his possession or control
(Continued on Page 2)



PREPARING FOR THE BIG SPECIAL Thanksgiving dinner lineup at the Y-12 Cafeteria tomorrow is George J. McNamee, left, Cafeteria Department Superintendent, looking on as Tommy Goss, Assistant Chef, slices off a sample of white meat from one of the bronze toms. Also looking on and expressing satisfaction are, right, Jesse Durette, Chief of Y-12 Chefs; and Edward Frye, Assistant Chef.

Y-12 Bulletin

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Demonstration Of Portrait Tinting On Camera Club Card

A demonstration of oil paint tinting of portrait photographs will feature the regular meeting of the Carbide Camera Club at 7:30 o'clock tonight in the club headquarters in the Y-12 East Portal building.

The demonstration will be given by Mrs. R. L. Knight, whose husband is employed in Dept. H12E. Knight made the portrait photographs his wife will tint.

The club now is compiling the records acquired by its members in various contest staged during the past several months, according to Gilbert Mellen, of Y-12, president of the group. Contestants are awarded points for the places gained in the contests and the club member with the highest standing after points are computed for all contests will be presented a prize.

Russian Spy Book Placed In Library

Several copies of "The Soviet Spies," by Richard Hirsch, dealing with Russian espionage in North America have been obtained by the Security Office and placed in the Technical Library in Bldg. 9735. These books may be checked out on loan by anyone in the plant. It should be of interest to each employee to understand methods used by espionage agents to procure secret information and to recognize such tactics.

PLANE CLASSES POPULAR

Classes in model airplane construction starting November 15 at seven Oak Ridge playgrounds brought a first-day attendance of 90 boys, it was reported by the project's co-sponsors, the Model Airplane Club, the City Recreation Department and the Junior Chamber of Commerce. Classes are being conducted each Saturday at all Oak Ridge playgrounds with hours from 9 a.m. to 12 noon. Materials and plans are furnished by the Jaycees and members of the Model Airplane Club act as instructors. Joe Culver, of Y-12, of the Model Airplane Club, will be chief instructor.

Be sure the names of persons responsible for the contents be posted on the outside of repositories of restricted data.

Lets Give Thanks For American Way Of Life

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might appear that way, but we know what we're doing. For instance, we consume 75 per cent of the world's silk, 50 per cent of the world's coffee, and 60 per cent of its rubber. We bathe in 92 per cent of all the bathtubs on earth—nine out of every 10 bathtubs are in America. We have one radio for every three people as against one for every 90 people in Soviet Russia, and we can listen to any program we like. There are more electric lights in our country than brighten the homes of all the rest of the world. We have more than half the world's telephones with which to visit, do business and save ourselves trouble in getting things done. Quite a record for one country. Quite a record for less than seven per cent of the human race.

Have More Happiness

With our democracy we find ourselves today with more freedom, more and better goods, more happiness and more money than anyone else in the world.

So on this Thanksgiving Day let us all give thanks for the American Way of Life.



Only two births were reported to Y-12 families at the Oak Ridge Hospital last week. They were Mr. and Mrs. Raymond LeRoy Murray, a son November 13, Mr. and Mrs. T. C. Baldwin, a son, November 19.

Hospital List

Four Y-12 employees were patients at the Oak Ridge Hospital last week. They were William F. Ford, Dept. A14N; Betty Whitehorn, Dept. B12C; Fenley Jenkins, Dept. A13N; Pauline C. Applin, Dept. A12A; Fred Uffleman, Dept. B13C.

CLUB SETS PARTIES

A benefit bridge party scheduled for 8 p.m., December 5, in the East Lounge of Ridge Hall and the annual Christmas dance later on in the month, are the two social events highlighting the December program of the Oak Ridge College Women's Club. Proceeds of the bridge party, to which the public is invited, will swell the organization's scholarship fund which is presented in June to a girl graduate of the Oak Ridge High School.



A SHOWER HONORING Miss Earline Smith, Dept. B12L, center in white jacket in picture above, was given Thursday night, November 18, at Columbia Hall, by a group of fellow employees of the bride-elect. Miss Smith will be married next Saturday at Traveler's Rest, S.C., to George Michael Banic, Dept. H12L. Miss Loretta Arnold and Miss Aileen Carpenter, to the right and left of Miss Smith, were hostesses at the shower. Other guests included Alice Jamison, Eunice Jones, Linelle Dobbins, Deborah Hubbs, Mary Lee Cox, Mildred Johnson, Evelyn Capenter, Inez Heatherly, Thelma Cole, Dora Roods, Anna Smith, Genevieve Bryant, Ozella Ward and Helen Hackworth.

Strictly Confidential..

G. J. Fisher, Dept. H12L, recently was called to Shelby, Ohio, because of the illness of his father . . . Clyde C. Greene has returned from a week's vacation spent at his home in Kentucky . . . H. M. Burnett has returned to work after a brief illness . . . Dept. H12L hopes King Spainhour, who is ill at the Oak Ridge Hospital, will recover soon . . . William Allen has returned from a one-week vacation spent at his home in Cleveland, Tenn.

Bessie Bailey, Dept. A12S, has returned from a one-week vacation spent in Alabama and Chattanooga.

Pat Hamrick, Y-12 Interviewer, Dept. A12L, is spending a two-week vacation in Florida . . . Joe White, Y-12 Chief Interviewer, also is vacationing.

Reba Justice, of Research and Development, is spending a two-week vacation visiting Washington, D. C., Boston, points in Maine, New York City and Fredricksburg, Va.

M. P. Welch and S. F. Suddith, Dept. A14N, are vacationing.

X. B. Raines, Dept. B12C, has returned from a one-week vacation . . . Willie Raby is spending a quiet vacation in Oak Ridge . . . Dept. B12C, is happy to report Maybelle Stapleton and Thelma Wise have returned to work after extended illnesses.

Virginia Ammons, Dept. B12H, and husband toured through the Smoky Mountains recently . . . Charlie and Pauline Williams visited relatives in Middlesboro, Ky., over a recent weekend.

Thelma Cole, Genevieve Bryant and Dora Woods, Dept. B12L, gave a shower November 21 at 101 Normand Lane for Evelyn Carpenter, a bride-elect . . . Alice and Ross Jamerson spent a recent weekend in Rossville, Ga.

Employees in Dept. B12L who were spectators at the Kentucky and UT game last Saturday included Elizabeth Patrick, Francis Webb, Ed Caldwell and Nancy Doane. Employees who have returned from vacations in Dept. B12L, included J. O. Harville, Francis Shamblin, Helen Stuphin and Clarence Riggs . . . Genevieve Bryant is vacationing at her home in Jellico, Tenn. . . . Catherine Carroll at Forest City, N. C. . . . Candy Johnson in Mt. Hope, Ala., and Ed Caldwell in Garden Spot, Ky.

Thelma Bradshaw, Dept. B12H, has returned to work after an extended illness. . . . Virginia Swanner is very proud of a 40-acre farm which she recently purchased in Athens, Ala. . . . Mr. and Mrs. J. T. Barker are the proud parents of a baby son who was born November 21 at the General Hospital, Cleveland, Tenn. They have named him Terry Alan . . . Ed Mann and family are vacationing in Iowa, with Mrs. Mann's parents.

Boyd Weaver, Dept. H12L, and Mrs. Weaver attended inaugural ceremonies of Charles S. Johnson as president of Fisk University, Nashville, November 7 and 8. Weaver was the official representative of the University of Colorado at the function.

Super Deluxe Turkey Dinner On Cafeteria Menu Wednesday

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yams, fluffy whipped potatoes, cauliflower au gratin or buttered English peas. Any two of them go with turkey. The salad course offers the choice of orange and grapefruit segments, waldorf, sliced tomatoes or head lettuce with Thousand Island dressing.

"Now—you better save a little room for the sweets—and who wouldn't let down the diet bars on Thanksgiving? If you like pie, there will be mince and pumpkin, both right in season, and egg custard. A hot fudge sundae also will be available and, of course, hot coffee, rolls and butter."

For employees working on the night shift, Wednesday, the cafeteria will make up sandwiches and send them to the various buildings. Sure—they will contain turkey—if there's any left.

Holiday Thursday To Bring Holiday Plan In Application

(Continued from Page 1)

giving holiday week if an employee is credited with five days worked (Monday through Friday with the Thanksgiving holiday either actually worked or counted as a day worked) he would receive time and one-half for all hours worked on the sixth day worked within the payroll week (Monday through Sunday.) Should the same employee work both Saturday and Sunday he would receive both the time and one-half rate for the sixth day (Saturday) worked and double time for all hours worked on the seventh day (Sunday) in the payroll week.

Restricted Data Check Made When Employees Leave Y-12

(Continued from Page 1)

any document or other material classified as restricted data to which he gained access during time of employment. He also declares that he is not taking any such material away from the plant and that he will not thereafter reveal to anyone any restricted data or information obtained during time of employment except on authority of an Atomic Energy Commission official empowered to give such authority.

If in doubt about security problems—telephone the Y-12 Security Office, 7994.



Y-12 FOLKS HAD A LOT OF FUN at the Harvest Ball recently given at the Grove Recreation Hall by the Oak Ridge Junior Chamber of Commerce with music provided by Russ Morgan and his nationally known orchestra. The group at the left is composed of, left to right, Bill Bonham, Mrs. George J. McNamee, Mrs. Bon-



ham, Mrs. and Mrs. W. S. Wiley, and George J. McNamee, standing behind Wiley. The picture at the right shows Band Leader Morgan, at left, chatting with a group of Y-12 folks and their wives. They are, left to right, Mrs. Lester Cook, Fes Lowry and Mrs. Lowry, Cook, Mrs. Cliff Henderson and Henderson.

Y-12 Employees Impressed And Entertained By Varied Electrical Safety Week Exhibits

The highly interesting display of electrical exhibits at the Y-12 Cafeteria all last week, staged by Electrical Maintenance Department as demonstrations in the plant's first "Electrical Safety Week," was inspected by 727 persons the first day according to the registration of the electric-eye counter. However, the fascination of the red and green flashing lights and the clang of the bell that rung each time a person passed the electric-eye lured many spectators to become "repeaters" so the accuracy of the count of individuals is not guaranteed. It safely can be said, however, that during the week a great majority of Y-12 employees saw and were impressed by the exhibits.

Close Contest Staged In Attendance Race

Close races developed in both the major and minor leagues in the attendance standings for the week ending November 16. Although only two departments in Y-12, both in the minor league, reported perfect attendance marks for that period the plant absentee record as a whole was 3.2 per cent, a drop of 0.1 per cent from the preceding week.

Two Report Perfect Records

The departments in the minor league with no absences for the week ending November 16 were Dept. A12T, Garage Repair Shop, which duplicated its mark of the preceding week; and Dept. A12N General Maintenance Office, Planning and Estimating. Dept. A12N rose from eighth place held for the week ending November 2.

In second place in the minor league was Dept. A15N, Experimental Process Equipment Maintenance, which advanced from fourth place the previous week. Dept. A12D, Dispensary, held to third place in the standings.

Major League Race Close

Dept. H12E, Process Development, rose from fifth place in the major league to first place with an absentee mark of only .96 per cent. Closely pressing this department was Dept. B12H, a newly formed group in the Refining Division, with an absentee record of .99 per cent. In third place was Dept. A14N, Electrical Equipment Repair and Maintenance, with 1.4 per cent of its employees absent. This department was in first place the previous week with a perfect attendance record.

The complete plant attendance record for the week ending November 16 by departments follows:

MAJOR LEAGUE More than 50 Employees				
Dept.	Absent	Percentage	Standing	11-16-47
H12E	0.96	1	1	5
B12H	0.99	2	2	3
A14N	1.4	3	3	1
B13L	1.6	4	4	7
A16N	2.0	5	5	2
A12G	2.2	6	6	8
A12W	2.7	7	7	11
H12L	3.1	8	8	6
M12P	3.2	9	9	13
A13N	3.7	10	10	1
A12M	4.0	11	11	4
A14J	4.4	12	12	9
B12C	4.9	13	13	12
H12D	5.0	14	14	10
A17N	5.46	15	15	14
B12L	5.48	16	16	15
A12S	6.4	17	17	16

Group absentee percentage was 3.3 per cent, 0.1 per cent higher than the preceding week.

MINOR LEAGUE 15 to 49 Employees				
Dept.	Absent	Percentage	Standing	11-16-47
A12N	0.0	1	1	8
A12T	0.0	1	1	4
A15N	1.1	2	2	3
A12D	1.2	3	3	3
A12R	1.7	4	4	2
B12A	2.4	5	5	5
A13T	3.1	6	6	7
M12S	3.5	7	7	10
A12A	4.6	8	8	6
A19N	5.9	9	9	9
A12L	7.1	10	10	11
B13C	8.9	11	11	-

Group absentee percentage was 3.1 per cent, 0.1 per cent lower than the preceding week.

The plant average for the week ending November 16, 1947, was 3.2 per cent, 0.1 per cent lower than the preceding week.

V.F.W. Christmas Party Planned

The Raymond Mason Post No. 6351 of the Veterans of Foreign Wars voted to grant the Ladies Auxiliary exclusive use of the post club rooms for a children's Christmas party, it is announced by W. O. Elam, Senior Vice Commander, and captain in the Y-12 Fire Department. The party will be for the sons and daughters of post members and will be arranged for one day during Christmas week. Post Commander Kenneth C. Fahey announced at the last Tuesday night meeting that the membership goal of 750 was in sight and that efforts would be doubled to go over the top by early December.

Exhibit No. 1, in the demonstration lineup which seemed to have combined the wizardry of Thomas Edison with the magic of Houdini, showed a bunch of unwired fluorescent tubes laying on a juice box and all aglow. Lighting of the gas filled tubes was called "Ionization." No. 2 in the array was a replica of the electric chair used by the state of Tennessee for its executions, which was captioned "The Legal Way." None of the onlookers tried out the seating arrangement.

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Danger of "Shorts" Shown

Next in line was a board carrying a number of pieces of wiring and plugs used in portable electric equipment which demonstrated common mistakes in applying a 110-volt plug to an industrial circuit heavily fused for approximately 100 amperes or more. The lesson here was the danger shown of causing fires by "shorts" without any recording by the circuit breaker.

Another exhibit, a "strobotac" display, showed a disc with words as cryptic as though written by a Neanderthal man but when flashed into action by the strobotac light composed intelligent words of warning phrases in keeping with the electrical safety idea.

Disconnected Bulb Lights

Following on the list was a light bulb suspended above a plexi-glass disc which lighted up despite the two dangling disconnected wires, although invisible wires strung around the edge of the plexi-glass disc were alleged to have been the trick which caused the lighting.

The point brought out by the exhibit was that sneak circuits sometimes exist even though all switches and fuses apparently seem open.

Next arrangement was a high voltage cabinet which demonstrated the safety of inter-locks, how they could fail, and the safeguards against their failures. An adjoining exhibit showed how and why a switch should be locked open while an electrician worked on the circuit.

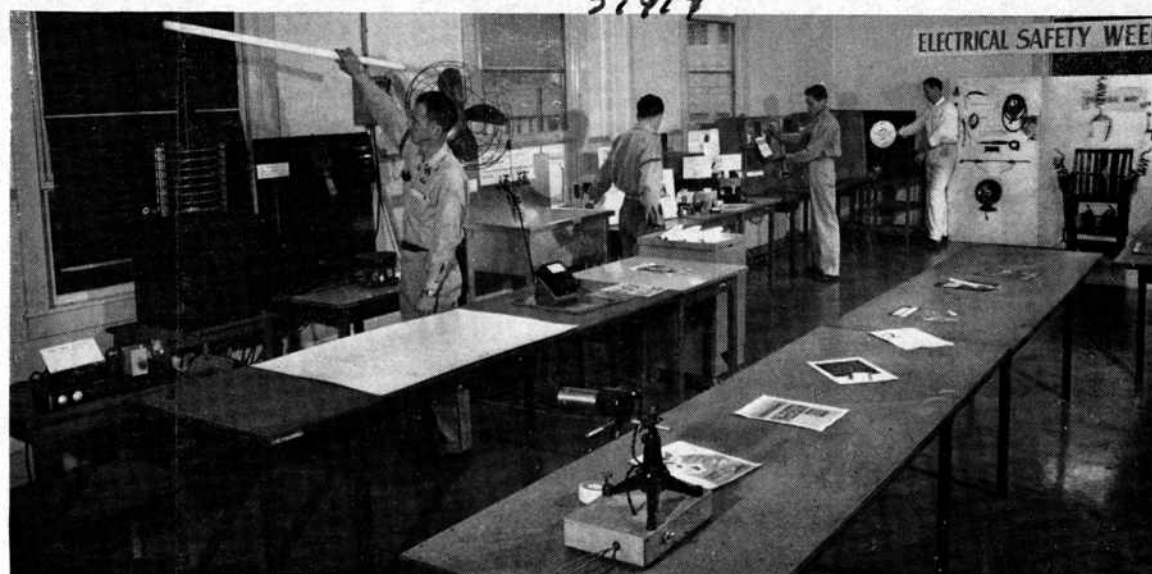
"Oofle Bird" Eggs Dance

Then came a small box of plexi-glass with red and black polka-dot balls floating side-by-side and without any visible means of suspension. The exhibitors called the two objects "oofle bird eggs" and alleged that they were brought back from Bikini and were expected to hatch in about two weeks. The operator at this stand would say a few meaningless words, manipulate a bit and the two "oofle bird" eggs would do a kind of to-and-fro dance which one of the wits described as the dance of the embryos.

The next display, demonstrating a slogan "Safety Starts at Home" seemed to interest the most people as the exhibition was arranged in playhouse effect and showed the tragic results of the lack of proper understanding regarding the dangers of improper insulation of home electrical appliances. This display was captioned "This Play Should Be Stopped" and titled "Murder At Home."

Dangers Lurk at Home

The lesson here to the seriously-minded onlookers was that potential danger lurks in electrical appliances and wiring in every home; and that children should be restrained from touching or playing with any electrical apparatus. It also demonstrated that no electrical device should be touched while a person is in contact with any grounded object such as



A GROUP OF ELECTRICAL MAINTENANCE Department employees are shown above putting final touches on the exhibits shown in the Y-12 cafeteria last week in connection with observance of Electrical Safety Week.

Larson, Keim Are Honored By Chemical Group Section

Dr. C. E. Larson, Director of the Research and Development Division of Y-12, was reelected counselor of the East Tennessee Section of the American Chemical Society at a meeting Tuesday night, November 18, at the Oak Ridge Central Cafeteria. Dr. C. P. Keim, Superintendent of the Y-12 Pilot Plant, was named as alternate counselor. Dr. A. J. Miller, a former Y-12 employee, also was chosen as counselor of the society. Other officers for the coming year also were elected, including Dr. Fred Griffiths, of Maryville College as chairman for 1949.

The December meeting of the East Tennessee Section will be held at 8 p.m. Monday, December 1, at Dabney Hall, University of Tennessee, Knoxville. Dr. Frederick D. Rossini, of the National Bureau of Standards, will be the principal speaker. All Y-12 members of the organization are urged to attend the session.

SMOKER SET BY JAYCEES

A smoker party will be given Wednesday night, December 3, for new members of the Oak Ridge Junior Chamber of Commerce. The affair will be staged at the Roads and Streets Building and L. M. Cook, of Y-12, is chairman of the program committee for the night.

plumbing fixtures, steam or water pipes. A wise conclusion gained from the exhibit, it was pointed out, was that the smart thing for a person to do is to have all his home appliances checked periodically for faults by a competent electrician.

Another display showed the danger to an electrician while working on a transformer when a fellow workman was careless in his regard of the "red tags" hung on switches as precautionary signs while work was being done. Closing of switches when an electrician is working on equipment might mean electrocution. Then came an exhibit that showed the danger of using electric home appliances while in contact with water. This display also showed the folly of placing electrical appliances where they can be reached from a bath tub or shower.

Circuit Overloading Demonstrated

Also on the list of exhibits was the demonstration of the faulty electrical conductor in a pedestal fan which was pictured in last week's Y-12 Bulletin. Next came an example of overloading a circuit which would result in first blowing a standard size fuse and then burning the wires causing fires when an over-size fuse was inserted. Next was the Tesla Coil which showed an electrically charged propeller attached to the top of a copper pedestal. The whirling propeller would light a fluorescent tube held in close proximity. Last and 14th on the display was the electric-eye counter which added another number as each person passed by.

Don't Neglect Low Back Pain; Causes Varied

By DR. PAUL SCOFIELD
Y-12 Medical Director

Probably every adult, at some time or another, has suffered from back pains; usually referred to in most cases as the "small" of the back. The causes of such pain, other than actual injury, are many and varied.

In women, low back pain often is the result of some disorder of the pelvic organs. In men it may be due to changes in the prostate gland or associated organs. It may also be due to a faulty posture, being off balance, lumbar, sciatica, inflammation of the sacroiliac joints, slipped intervertebral disc, improper shoes, arthritis of the spine, spasm of the large muscles on each side of the spine, inflammation of the back muscles often following or in association with a cold. On the other hand it may be definitely connected with your job, especially if a sudden, sharp severe pain immediately follows a lifting effort.

If you are unfortunate enough to suffer from such painful back pains, do not attempt to "work it out" for continued exertion usually aggravates such a condition. Report immediately to the Medical Department so that a proper diagnosis, X-Ray if needed, and necessary treatment be promptly instituted for your own welfare.

Employees with persistent or chronic back pains should take advantage of the opportunity for an immediate examination at the Medical Department whether the pains begin while on the job or after possibly unaccustomed work around the home, such as lifting or moving furniture, that left the back painful or stiff the following morning.

Dr. Scofield

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Playhouse Needs Back Stage Help

Evan Means, Dept. A14N, stage manager for the Oak Ridge Community Playhouse's coming production, "A Christmas Carol," has sounded a call for back-stage assistance as the play will be composed of approximately 20 scenes. Persons willing to help are requested to report at the Ridge Recreation Hall at 7:45 p.m. on Tuesday evenings where transportation has been arranged to take them to the Gamble Valley Theater workshop.

The production of "A Christmas Carol," an adaption from Dickens' play, will be staged at the Oak Ridge High School gymnasium at 8:15 p.m., Saturday, December 20, and at 2 p.m. the following day.

Roane-Anderson Collecting House Rent In Oak Ridge

With house rent for December due this week, attention of Y-12 employees again is called to the fact that such payments in the future are to be made to the Roane-Anderson Co. instead of the Oak Ridge Housing Co. Roane-Anderson Co. is taking over operation and maintenance of housing facilities in Oak Ridge effective December 1.

If payments are made by mail, checks should be made out to Roane-Anderson Co. and communications addressed to that company, P. O. Box 456, Oak Ridge. Collection stations previously operated by the Oak Ridge Housing Co. at Town Hall, Grove Center and Jefferson Circle will continue to function under Roane-Anderson. Rent also may be paid to Roane-Anderson Co. at its main office building on the Oak Ridge Turnpike just west of the Central Bus Terminal.

Fowler To Give Address To Instrument Society

A. H. Fowler, Instrument Engineer at the K-25 plant of Carbide and Carbon Chemicals Corp., will address a meeting of the Oak Ridge Section of the Instrument Society of America at Grove Recreation Hall Tuesday night, December 2. The session will be a dinner meeting with dinner beginning at 7 p.m. and the business meeting at 7:45 p.m.

Any Y-12 employees desiring to attend the session may make reservations before noon on the day of the meeting by telephoning 7-8219, 6198 or 8-9221.

Fowler will speak on "Engineering Statistics."

Early Christmas Mailing Is Urged

Oak Ridge residents who wish their Christmas presents sent to friends and relatives to arrive on time, are requested by George E. Bowling, Oak Ridge Postmaster, to plan early mailing and avoid the usual last-minute congestion.

Out-of-state mailings should be accomplished before December 10, the postmaster advises, to assure deliveries before Christmas Day. However, the deadline for assured delivery of Christmas cards was suggested as December 15. Postmaster Bowling in further suggesting that "Do Not Open Before Christmas Stickers" be used on packages, stated that the 1946 record-breaking post office Christmas business probably would be exceeded this year.

DIRECTOR IS GUEST

The Business and Professional Women's Club of Oak Ridge will have State District Director Kathryn McMahon as its guest tonight at 7:30 o'clock in a meeting scheduled for the Red Cross Lounge.

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S P O R T S

Plant Bowlers End First Round In Three-Way Tie For Top Spot

Bowlers in both Y-12 leagues went on a rampage last week and when the pins finally quit falling there were more ties existing in the two loops than in Aunt Minnie's Christmas shopping list.

The Plant League maple maulers wound up the first round of activities last Thursday night with a three-way deadlock for first place. The Bottom Busters and Rippers, tied for second place the previous week, both spurted and took advantage of a scoring lapse by the Bums to knot the standings. These three teams will stage a roll-off some time this week to determine the winner of the first round.

Everybody Wants In Act

Not only in the top bracket but also among the cellar dwelling teams a close race was being staged. Apparently, nobody wanted the questionable distinction of finishing last, so the Big 'uns, Wolves and One-91s decided to share the basement spot to make things cozy.

Roy Roberts again held the individual spotlight last Thursday by rolling scratch games of 204, 205 and 165 for a 574 total and handicap score of 634. Roberts' tally enabled his Comet teammates to lead the night's scoring with a series handicap mark of 2,935, a single handicap game of 1,058 and a single scratch game of 882. The Bottom Busters had high scratch series score with 2,428.

D Area Lead Divided

The mounting Overheads shoved into a tie with the Calutrons on the top rung in the D Area Bowling League as a result of putting the Wood Choppers in the "red" to the tune of four points in last Tuesday night's rolling at the Jefferson Alleys. The Overheads trailed in the second division until the night of November 4 when they began an upward climb by taking the Splinters for a four-point clean sweep. These same Splinters again boosted the Overheads by trimming the Cals with a three-point victory last Tuesday night and bringing about the split loop leadership on a 24 won and 16 lost record.

Team scoring was lukewarm but Leo Hemphill of the Overheads put together scratch games of 147, 195 and 191 for a high aggregate of 533. Hemphill also bowled the night's high single game handicap with 231 and a three-game handicap total of 641. Nelson Tibbatts of the Scotties rolled a 201, the only D Area League bowler to break 200.

League standings follow:

Team	W	L	Team	W	L
B. Busters	22	11	Knot Hiders	15	18
Bums	22	11	Bldg. 9212	14	19
Rippers	22	11	W. Butchers	13	20
Comets	20	13	Big 'uns	11	22
Chemicals	19	14	Wolves	11	22
Splinters	18	15	One-91	11	22

Team	W	L	Team	W	L
Calutrons	24	16	Scotties	20	20
Overheads	24	16	Splinters	19	21
Strikers	22	18	Old Men	18	22
Termites	21	19	W. Choppers	12	28

Y-12 Cueists Hold Last Place Spot

Y-12's cuemen remained firmly entrenched in last place in the CEW Pocket Billiard League after dropping five games to the Cue and Cushion outfit in last week's encounters.

League standing follows:

Team	W	L	Team	W	L
Carbons	21	8	AIT	13	15
Cue-Cushions	21	8	Jeffer	10	20
Monsanto	16	14	Y-12	7	23

It is dangerous to expect the other fellow to use all the caution.

Feminine Bowlers Of Y-12 Jump Into Tie For First

The Y-12 women bowlers finally hit their stride last Thursday night, taking three games from the Roane-Anderson lassies and jumping into a tie for first place with Monsanto.

The Y-12 gals posted games of 671, 699 and 650 for a 2,020 total against 664, 644 and 630 for a 1,938 aggregate for the opposition. Margaret Solomon's 444 scratch series score topped the individual scoring for the night.

League standing follows:

Team	W	L	Team	W	L
Y-12	20	10	Jeff Alleys	15	15
Monsanto	20	10	G. M'chnts.	14	16
R-A	18	12	K-25	14	16
Morat	18	12	Ford Motors	11	19
Fairchild	17	13	Laundry	9	20
O. D. Drug	15	15	P. V. M'nts.	9	20

Lavers Is Elected President Of Oak Ridge Golf Club

The new board of directors of the Oak Ridge Golf Club in its first meeting last Thursday night elected two Y-12 men as officers of the organization. They were W. D. Lavers, president; and H. D. Duncan, treasurer. Other officers elected were A. J. Kessing, vice-president, and R. G. Dustin, secretary. Both of these men are K-25 employees.

The new nine-member board of directors elected by the membership last Wednesday night were H. D. Duncan, D. W. Harrigan, W. D. Lavers and G. L. Underwood of Y-12; and R. G. Dustin, A. J. Kessing, D. L. Oakley, D. A. Sawyer and D. L. Riley. Negotiations are underway with Roane-Anderson Company for construction of a second nine-hole to the course with a total of 3,200 yards. Changes being made on the first nine holes will bring the total yardage for the 18 holes to 6,4000.

Rice Heads Legion Drive In Y-12

Hugh Rice, a group leader in the Y-12 Time Keeping Department, has been named membership drive chairman at the plant for the Atomic City Post, No. 199, American Legion. Rice has called for volunteers to act as team captains at the plant and asks that members of the American Legion at Y-12 contact him at phone number 7045.

Rice left Y-12 back in December 5, 1944, to join the army and returned July 7, 1946 after having been stationed most of the time at Manila.

RESERVISTS PLAN DANCE

All Y-12 employees who served as officers in any branch of the Armed Forces are invited to attend a dinner-dance at the Grove Hall, December 4, at 7:30 p.m., it was announced by the Oak Ridge Reserve Officers Association. Dick Jones and his 16 piece orchestra has been obtained for the occasion. Tickets may be obtained from Ned Williams by calling him on Y-12 phone number 7478.

Large And Lengthy Basketeers Will Cavort In Y-12 Plant League When Hostilities Open On December 2

A preview of the prospective team lineups in the Plant Basketball League which begins hostilities December 2, indicates that a lot of weight and height will be tossed around this season in the Y-12 loop as team captains have reported a number of players tipping the beams at 200 pounds or more and many towering over the six-foot mark.

Capt. Jack Thomson of the Ruff House Five will play a newcomer at the center spot, the six-foot, four-inch tall George Stukenbroeker. In addition to the squad's four-year veterans of Thomson, Dewey Lee and Warren Grimes, the team has been reinforced by six new members besides Stukenbroeker. They are Ward Foster, H. Duncan, Paul Griffin, Fred Kappelmann, Bill Cottrell and Bill Higgins. Grimes played basketball at Wabash College, Ind., Lee starred for Concordia Seminary at St. Louis; Kappelmann played at High Point, N. C.; Cottrell at Alfred University; Thomson with a Y.M.C.A. team in New York City; Griffin at McKendree College; and Higgins at the Lincoln

FINAL PLANS MEETING SET THIS AFTERNOON

Final plans for operation of the Plant Basketball League and the schedule for the season will be adopted at a meeting called for 3:15 o'clock this afternoon at the Y-12 Recreation Office, North Portal.

Memorial University where he was a four-letter athlete. Griffin and Duncan both are well above six feet and each weighs over 200 pounds.

According to team manager Frank Darby, the Time Keepers have recruited a pretty fair looking aggregation in Woody Palmer, Ryburn Tippy, Hugh Rice, Ira Shotts, Ray Hale, Edmond Kimbro, John Gordon and Ed Bagley. Palmer towers at six feet and played four years with the championship Clayton High School in St. Louis County. Tippy played one year at the University of Illinois; Rice saw four years of cage action with the Hamilton High School in Virginia and two years of army basketball at Manila. Shotts had six years of experience in prep

schools and with independents in Alabama, besides three years of playing on army teams while serving in Africa and France. Fans remember Kimbro as one of the Taylor cagers in last season's CEW League. Bagley played four years of basketball with Y. M. C. A. teams in Birmingham, Ala. Manager Darby coached high school basketball teams in Mississippi for four years and served as a playing coach and sponsor of independent teams in the same state. The Time Keepers have a good candidate for center in the six-feet, two-inch John Gordon. Kimbro also measures over six feet.

If the new league entry, the Bldg. 9212 quintet, plays basketball as well as they played softball, the outfit which is to be captained by R. H. Ford, would end

COME ALL YE CAGERS FOR DARK HORSE FIVE

Another basketball team is needed for the Plant League and Arnold Tiller, Y-12 Recreation Supervisor, has issued an S. O. S. appeal—to wit:

"Players not already signed up by other teams are urged to communicate with the Recreation Office, North Portal, telephone 7-8252. They may be between the ages of 16 to 60, be from five feet, one inch to seven feet, ten inches tall, weigh from 100 to 250 pounds and must have at least two years experience in college, high school, grade school or kindergarten.

up no worse than second place, the position they landed in the Plant Softball League. All the following candidates for the Bldg. 9212 cage team played on their softball squad this past season, Bill Wright, Fred Guttery, Woodrow Davis, Fletcher Daley, John Bird, Harry Ken, Paul Tribble, Hugh Nichols, "Shorty" Freels, Vowe Tilson and A. D. Cotton. Bill Wright was named on the Tennessee state all-star high school basketball team in 1938.

A likely-looking aggregation known locally as the Kilroys Are Here Again and captained by John Sewell, already are showing a lot of strength-in-number as 15 players have been working out in their pre-season tuneups. It is rumored that the Kilroys will use the Kentucky system of running the opposition ragged with substitutions. Trying out for the Kilroys are Jack Baer, L. C. Hale, B. B. Coulter, S. B. Dawson, Bill Dodson, W. C. Walker, Paul Braden, Frank Thurman, A. E. Stephens, Bill Mason, E. D. Ellingson, O. D. "Olive Drab" Stokley, L. Potter, Bill Marlar and John Sewell. A number of the Kilroys are giant-size cagers in height and tonnage.

The Y-12 Guards are so far pinning their hopes on six iron men, Ray Ledford, J. H. Shoemaker, George McPherson, Doyle Williams, Paul Clevenger, R. B. Blankenship and Cletus Heatherley. However, more candidates are expected to turn out for the squad before the opening games.

Five Suggestions By Y-12 Employees Are Accepted

Five Y-12 employees had their originality recognized last week as their suggestions for improvement of plant operations were accepted by the Company.

J. H. McCulley and M. P. Crews, both of Dept. A17N, shared honors for submitting Suggestion No. 58729. Others with accepted suggestions include C. W. Sheridan, Dept. H12L, Suggestion No. 61502; J. L. Overton, Dept. B12H, Suggestion No. 62274; and T. J. Connerly, Dept. M14C, Suggestion No. 59500.

Three unsigned suggestions, Nos. 60115, 60209 and 62389, have been accepted and proponents are asked to report to the Suggestion Office, North Portal, to identify themselves.

Your badge is your credentials—wear it all the time while at work.



GEORGE CHILTON OF THE Y-12 GUARD Department finally solves the problem of how to put "Old Granddad" on ice by throwing out everything in one entire compartment of the refrigerator. Two and half year old George, Jr., looks on in wide-eyed wonder as the Bulletin photographer takes the shot which shows the second largest wall-eyed pike caught in East Tennessee this year. This one weighed ten pounds.

Y-12 Guard Chilton Lands Giant Wall-Eyed Pike In Sharp Battle

In a two-chapter fishing story, George S. Chilton, of the Y-12 Guard Department, bested a collaborating friend, Al Burris, Recreation Supervisor at K-25, by putting in a much bigger climax to his second-half part of the yarn.

Learning that Burris had caught an eight and one-half pound wall-eyed pike while fishing below the Fort Loudoun Dam Saturday, November 8, Chilton hied out there a few days later and began casting in about the same spot. George was using a deep-running white shiner minnow plug. The first cast hooked a small shad; but the second resulted in a 10-minute battle with a 10-pound wall-eyed pike.

That the pike put up a terrific fight is proved by the broken condition of Chilton's reel which occurred when George tried to brake one of the gamester's desperate runs. Unable to operate the reel, Chilton pulled the pike to shore by backing up a hill, and landed him when a friend applied the gaff.

The fish measured 29½ inches in length and 16½ inches around the girth. Chilton, a member of the East Tennessee Rod and Gun Club, has it entered in that organization's annual contest — no, not the story, the finny denizen itself.

COMSIA ON SPORTS GROUP

John Comsia, of Y-12, has been named co-chairman of the sports committee of the Oak Ridge Junior Chamber of Commerce.

Y-12ers Skid Skidmores; Bowl R-A's Team Tonight

Y-12's varsity bowling team came within six points of sweeping the three-game series with the Skidmores last Tuesday night at the Central Alleys, but a one-game loss again kept Capt. "Sky" Barker's men from advancing in the City Industrial League. The first canto was dropped by a score of 785 to 791, the second won 768 to 674 and the third added on a tally of 852 to Skidmore's 692. Y-12 takes on the Roane-Anderson aggregation tonight in a battle for third place which is now occupied by Y-12 by a slim margin.

Scores rolled by Y-12ers against Skidmores were Ernie Cobble 183, 178 and 150; Nick ZaBenco 149, 140 and 137; Bruce Whitaker 122 and 133; Roy Roberts 190, 145 and 172; Charles Beckett 141 and 139, and L. H. Barker 166 and 160.

League standing follows:

Team	W	L	Team	W	L
K-25	21	9	R-A	16	14
AEC	21	9	Skidmore	8	22
Y-12	17	13	Fairchild	7	23